

### CLAIMS

1. Fluid cosmetic composition in the form of a water-in-oil emulsion comprising a liquid fatty phase, an aqueous phase and a dimethicone copolyol, characterized in that it comprises solid particles of polymethyl methacrylate and in that the liquid fatty phase comprises isododecane, the the said composition being free of cyclotetrasiloxane.

2. Fluid cosmetic composition in the form of a water-in-oil emulsion comprising a liquid fatty phase, an aqueous phase, a dimethicone copolyol and a C<sub>8</sub>-C<sub>22</sub> alkyl dimethicone copolyol, characterized in that it comprises solid particles of polymethyl methacrylate and in that the liquid fatty phase comprises a volatile hydrocarbon-based oil, the the said composition being free of cyclotetrasiloxane.

3. Composition according to either of Claims 1 and 2, characterized in that the solid polymethyl methacrylate particles have a density ranging from 0.3 to 0.95, especially from 0.45 to 0.80 and more particularly from 0.5 to 0.75.

4. Composition according to one of the preceding claims, characterized in that it comprises at least two polymethyl methacrylates that are different in terms of density.

5. Composition according to any one of the preceding claims, characterized in that it combines two types of polymethyl methacrylate particles whose difference in density is at least 0.12, especially at least 0.15, in particular at least 0.18 and more particularly at least 0.22.

6. Composition according to either of Claims 4 and 5, characterized in that the polymethyl methacrylate particles are present in weight proportions ranging, respectively, from 40% to 60% by weight, especially from 45% to 55% and in particular from 48% to 52% relative to the total weight of polymethyl methacrylates.

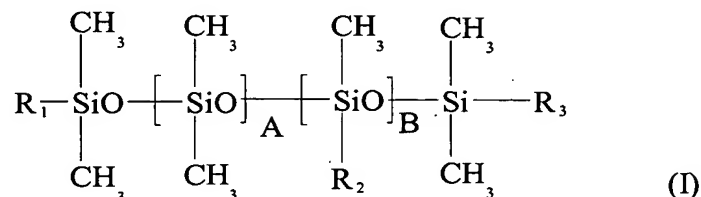
7. Composition according to Claim 6, characterized in that the content of polymethyl methacrylate of higher density is predominant over the content of polymethyl methacrylate of lower density.

8. Composition according to any one of the preceding claims, characterized in that it comprises from 1% to 10% by weight, especially from 2% to 7% by weight and



more particularly from 2.5% to 5.5% by weight of polymethyl methacrylate relative to the total weight of the said composition.

9. Composition according to any one of Claims 1 to 8, characterized in that the dimethicone copolyol is a compound of formula (I) below:



in which:

-  $\text{R}_1$ ,  $\text{R}_2$  and  $\text{R}_3$ , independently of each other, represent a  $\text{C}_1$ - $\text{C}_6$  alkyl radical or a radical  $-(\text{CH}_2)_x - (\text{OCH}_2\text{CH}_2)_y - (\text{OCH}_2\text{CH}_2\text{CH}_2)_z - \text{OR}_4$ , at least one radical  $\text{R}_1$ ,  $\text{R}_2$  or  $\text{R}_3$  not being an alkyl radical,  $\text{R}_4$  being a hydrogen, a  $\text{C}_1$ - $\text{C}_3$  alkyl radical or a  $\text{C}_2$ - $\text{C}_4$  acyl radical;

- A is an integer ranging from 0 to 200;

- B is an integer ranging from 0 to 50; with the condition that A and B are not simultaneously equal to 0;

- x is an integer ranging from 1 to 6;

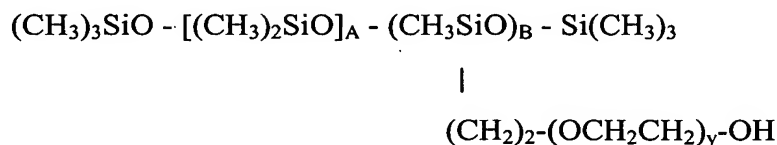
- y is an integer ranging from 1 to 30; and

- z is an integer ranging from 0 to 5.

10. Composition according to Claim 9, characterized in that  $\text{R}_1 = \text{R}_3 =$  methyl radical, x is an integer ranging from 2 to 6 and y is an integer ranging from 4 to 30.

11. Composition according to Claim 9 or 10, characterized in that  $\text{R}_4$  is a hydrogen atom.

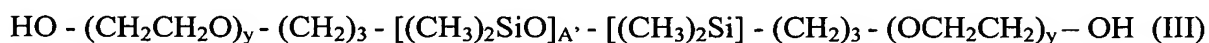
12. Composition according to any one of Claims 9 to 11, characterized in that the dimethicone copolyol is a compound of formula (II) below:



in which A is an integer ranging from 20 to 105, B is an integer ranging from 2 to 10 and y is an integer ranging from 10 to 20.



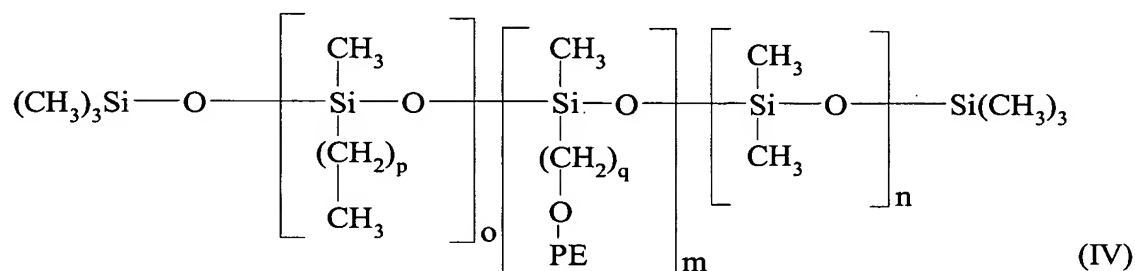
13. Composition according to Claim 9, characterized in that the dimethicone copolyol is a compound of formula (III) below:



in which A' and y are integers ranging from 10 to 20.

5 14. Composition according to any one of Claims 9 to 13, characterized in that the dimethicone copolyol is present in a content ranging from 5% to 10% by weight, preferably ranging from 5% to 8% by weight and preferentially ranging from 5% to 7% by weight, relative to the total weight of the composition.

10 15. Composition according to any one of Claims 2 to 14, characterized in that the C<sub>8</sub>-C<sub>22</sub> alkyl dimethicone copolyol is a compound of formula (IV) below:



in which:

- PE represents  $(-\text{C}_2\text{H}_4\text{O})_x - (\text{C}_3\text{H}_6\text{O})_y - \text{R}$ , R being chosen from a hydrogen atom and an alkyl radical containing from 1 to 4 carbon atoms, x ranging from 0 to 100 and y ranging from 0 to 80, x and y not simultaneously being 0;
- m ranging from 1 to 40;
- n ranging from 10 to 200;
- o ranging from 1 to 100;
- p ranging from 7 to 21; and
- q ranging from 0 to 4.

16. Composition according to Claim 15, characterized in that R = H; m = 1 to 10; n = 10 to 100; o = 1 to 30; p = 15 and q = 3.

17. Composition according to any one of Claims 2 to 16, characterized in that the C<sub>8</sub>-C<sub>22</sub> alkyl dimethicone copolyol is cetyl dimethicone copolyol.

18. Composition according to any one of Claims 2 to 17, characterized in that the C<sub>8</sub>-C<sub>22</sub> alkyl dimethicone copolyol is present in a content ranging from 0.5% to 2% by



weight and in particular ranging from 0.5% to 1.5% by weight relative to the total weight of the composition.

19. Composition according to any one of Claims 2 to 18, characterized in that the hydrocarbon-based volatile oil is chosen from linear or branched hydrocarbon-based volatile oils containing from 8 to 16 carbon atoms.

20. Composition according to Claim 19, characterized in that the volatile hydrocarbon-based oil is chosen from isododecane, isohexadecane and isohexyl neopentanoate, and mixtures thereof.

21. Composition according to any one of the preceding claims, characterized in that the volatile hydrocarbon-based oil, and especially isododecane, represents from 5% to 25%, especially from 10% to 20% and in particular from 10% to 15% by weight relative to the total weight of the composition.

22. Composition according to any one of the preceding claims, characterized in that the isododecane or the volatile hydrocarbon-based oil is combined with at least one distinct additional volatile oil chosen from hydrocarbon-based oils, fluoro oils and/or silicone oils optionally comprising alkyl or alkoxy groups, which are pendent or at the end of a silicone chain.

23. Composition according to Claim 22, characterized in that the silicone oil is a linear, branched or cyclic silicone oil with a viscosity at room temperature of less than 8 mm<sup>2</sup>/s and containing from 2 to 7 silicon atoms.

24. Composition according to Claim 22 or 23, characterized in that the silicone oil is chosen from octamethylcyclotetrasiloxane, decamethylcyclopentasiloxane, dodecamethylcyclohexasiloxane, heptamethylhexyltrisiloxane, heptamethyloctyltrisiloxane, hexamethyldisiloxane, octamethyltrisiloxane, decamethyltetrasiloxane and dodecamethylpentasiloxane, and mixtures thereof.

25. Composition according to any one of Claims 22 to 24, characterized in that the additional volatile oil represents from 20% to 32%, especially from 20% to 30% and more particularly from 22% to 26% by weight relative to the total weight of the composition.

26. Composition according to any one of the preceding claims, characterized in that the composition also comprises at least one non-volatile oil.



27. Composition according to Claim 26, characterized in that the non-volatile oil is chosen from hydrocarbon-based oils of mineral or synthetic origin, oils of animal origin, hydrocarbon-based oils of plant origin with a high triglyceride content consisting of fatty acid esters of glycerol, fatty acid esters, in particular containing from 4 to 22 carbon atoms, synthetic esters of formula  $R_1COOR_2$  in which  $R_1$  represents a linear or branched higher fatty acid residue containing from 7 to 40 carbon atoms and  $R_2$  represents a branched hydrocarbon-based chain containing from 3 to 40 carbon atoms, hydroxylated esters, esters of aromatic acids and of alcohol containing from 4 to 22 carbon atoms,  $C_8$  to  $C_{26}$  higher fatty acids,  $C_8$  to  $C_{26}$  higher fatty alcohols, synthetic ethers containing at least 7 carbon atoms, silicone oils, polysiloxanes modified with fatty acids, fatty alcohols or polyoxyalkylenes, liquid fluorosilicones, and caprylic/capric acid triglycerides, and mixtures thereof.

28. Composition according to Claim 26 or 27, characterized in that it comprises 0.1% to 12% and especially 1% to 5% of at least one non-volatile oil, relative to the total weight of the composition.

29. Composition according to any one of the preceding claims, characterized in that it comprises at least one wax, at least one gum and/or at least one pasty fatty substance, which is silicone-based or non-silicone-based, of plant, animal, mineral or synthetic origin.

30. Composition according to any one of the preceding claims, characterized in that it comprises 0.01% to 10% by weight and especially 0.1% to 5% by weight of at least one wax relative to the total weight of the composition.

31. Composition according to any one of the preceding claims, characterized in that it comprises a thickener for the liquid fatty phase.

32. Composition according to Claim 31, characterized in that the thickener is chosen from organomodified clays and hydrophobic fumed silica.

33. Composition according to Claim 31 or 32, characterized in that the fatty-phase thickener is present in a content ranging from 0.1% to 5% by weight and especially from 0.4% to 3% by weight relative to the total weight of the composition.

34. Composition according to any one of the preceding claims, characterized in that the aqueous phase comprises at least one water-miscible organic solvent and/or stabilizers and/or at least one water-soluble or water-dispersible compound.



35. Composition according to any one of the preceding claims, characterized in that the the said aqueous phase is present in a proportion of from 30% to 50% by weight and especially from 35% to 45% by weight relative to the total weight of the composition.

5 36. Composition according to any one of the preceding claims, characterized in that it also comprises at least one additional filler different from the polymethyl methacrylate powders.

37. Composition according to the preceding claim, characterized in that this filler is present in a proportion of from 0.1% to 10% by weight and in particular from 0.1% to 7% by weight relative to the total weight of the composition.

10 38. Composition according to any one of the preceding claims, characterized in that it also comprises a dyestuff chosen from lipophilic dyes, hydrophilic dyes, pigments and nacres.

39. Composition according to Claim 38, characterized in that the pigments are hydrophobic-coated pigments.

15 40. Composition according to Claim 38 or 39, characterized in that this dyestuff is present in a proportion of from 0.01% to 40% by weight, especially from 1% to 35% by weight, in particular from 2% to 25% by weight and more particularly from 3% to 20% by weight relative to the total weight of the composition.

20 41. Composition according to any one of the preceding claims, characterized in that it is in the form of a skin makeup composition and in particular a fluid foundation.

42. Process for making up the skin, characterized in that it comprises the application to the skin of at least one composition according to any one of the preceding claims.